

FIELD MANUAL
NO. 3-21.21

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 8 April 2003

THE STRYKER BRIGADE COMBAT TEAM INFANTRY BATTALION

CONTENTS

	Page
PREFACE.....	xii
CHAPTER 1. OVERVIEW OF THE SBCT INFANTRY BATTALION	
Section I. Mission and Key Operational Capabilities.....	1-1
1-1. Mission	1-1
1-2. Mobility	1-1
1-3. Dismounted Assault and the Close Fight	1-1
1-4. Enhanced Information Superiority	1-2
1-5. Lethality.....	1-2
1-6. Force Protection and Survivability.....	1-3
1-7. Force Effectiveness	1-3
1-8. Unified Action.....	1-3
1-9. Full-Spectrum Flexibility and Augmentation.....	1-3
Section II. Organization and Capabilities	1-4
1-10. Battlefield Organization	1-4
1-11. Capabilities and Limitations.....	1-4
1-12. Organization and Functions.....	1-6
Section III. Battlefield Operating Systems.....	1-20
1-13. Intelligence	1-20
1-14. Maneuver	1-20
1-15. Fires and Effects	1-21
1-16. Mobility and Survivability	1-21
1-17. Air Defense.....	1-22
1-18. Combat Service Support.....	1-22
1-19. Battle Command.....	1-22
CHAPTER 2. BATTLE COMMAND	
Section I. The Art of Command	2-1
2-1. Role of the Commander	2-1
2-2. Mission Command	2-1
2-3. Location of the Commander.....	2-2
2-4. Combining the Art of Command and the Science of Control .	2-3

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

	Page
Section II. Command and Control	2-5
2-5. The Command and Control System	2-5
2-6. INFOSYS Infrastructure.....	2-5
2-7. Exercising Command and Control	2-6
2-8. Distribution of Battalion Command and Control	2-7
Section III. Planning for Operations.....	2-9
2-9. Information Systems Enhancement to Decision-Making.....	2-9
2-10. The Military Decision-Making Process.....	2-11
2-11. Roles of the Commander and Executive Officer.....	2-12
2-12. The Role of Reconnaissance and Surveillance.....	2-13
Section IV. The Military Decision-Making Process.....	2-13
2-13. Receipt of Mission.....	2-14
2-14. Mission Analysis	2-15
2-15. Course of Action Development.....	2-15
2-16. Course of Action Analysis	2-15
2-17. Course of Action Comparison.....	2-15
2-18. Course of Action Approval	2-16
2-19. Orders Production.....	2-16
2-20. Decision-Making in a Time-Constrained Environment	2-16
Section V. Preparing for Operations	2-22
2-21. Reconnaissance and Surveillance.....	2-23
2-22. Security.....	2-23
2-23. Force Protection	2-23
2-24. Plan Revision and Refinement	2-23
2-25. Coordination and Liaison	2-23
2-26. Rehearsals.....	2-24
Section VI. Execution.....	2-24
2-27. The Command and Control System During Execution.....	2-24
2-28. Assessment during Execution	2-25
2-29. Assessment	2-25
2-30. Decisions	2-26
2-31. Directing Action	2-28

CHAPTER 3. INTELLIGENCE, RECONNAISSANCE, AND SURVEILLANCE OPERATIONS

Section I. Overview of the ISR Function.....	3-1
3-1. Definitions	3-1
3-2. Fundamentals.....	3-2
Section II. ISR and the Decision-Making Process	3-4
3-3. Intelligence Preparation of the Battlefield.....	3-4
3-4. The Reconnaissance and Surveillance Matrix and Order.....	3-6
3-5. Responsibilities	3-8

	Page
Section III. Integration with the SBCT's Intelligence, Surveillance, and Reconnaissance Assets	3-11
3-6. The Cavalry Squadron (RSTA) and the Infantry Battalion Reconnaissance and Surveillance Assets	3-11
3-7. Capabilities	3-13
3-8. Digitization and Communications Architecture	3-15
3-9. Executing the Reconnaissance and Surveillance Plan	3-16
Section IV. Supporting the Reconnaissance and Surveillance Plan	3-17
3-10. Fire Support	3-17
3-11. Logistics Support	3-17
3-12. Medical	3-18
3-13. Communications	3-18
CHAPTER 4. OFFENSIVE OPERATIONS	
Section I. Fundamentals of Offensive Operations	4-1
4-1. Characteristics of Offensive Operations	4-1
4-2. Contact Continuum	4-2
4-3. Organization of Offensive Operations	4-3
4-4. Sequence of Offensive Operations	4-6
Section II. Forms of Maneuver	4-7
4-5. Envelopment	4-7
4-6. Penetration	4-8
4-7. Turning Movement	4-10
4-8. Infiltration	4-11
4-9. Frontal Attack	4-13
4-10. Movement Techniques and Formations	4-13
Section III. Forms of Tactical Offense	4-18
4-11. Movement to Contact	4-18
4-12. Organization of Movement to Contact	4-19
4-13. Search and Attack Technique in Movement to Contact	4-22
4-14. Integration of CS and CSS Elements in Movement to Contact	4-27
4-15. Movement to Contact Planning Considerations	4-29
4-16. Execution of Movement to Contact	4-34
4-17. Attacks	4-38
4-18. Characteristics of the Attack	4-38
4-19. Force-Oriented Attack against a Stationary Enemy Force	4-39
4-20. Force-Oriented Attack against a Moving Enemy Force	4-47
4-21. Terrain-Oriented Attacks	4-54
4-22. Exploitation	4-55
4-23. Pursuit	4-56
4-24. Special Purpose Attacks	4-56
Section IV. Offensive Planning Considerations	4-59
4-25. Planning Considerations	4-59
4-26. Force Organization	4-60
4-27. Reconnaissance and Surveillance	4-61

		Page
Section	4-28. Scheme of Maneuver.....	4-62
	4-29. Fire Support.....	4-62
	V. Transition Operations	4-64
	4-30. Consolidation.....	4-64
	4-31. Reorganization.....	4-65
	4-32. Continuing Operations	4-65
	4-33. Defend	4-65
CHAPTER 5. DEFENSIVE OPERATIONS		
Section	I. Fundamentals of the Defense	5-1
	5-1. Purpose of the Defense.....	5-1
	5-2. Organization of Defensive Actions	5-1
	5-3. Characteristics of the Defense	5-4
	II. Types of Defensive Operations	5-5
	5-4. Area Defense	5-5
	5-5. Mobile Defense	5-18
	5-6. Retrograde Operations.....	5-18
	5-7. Delay.....	5-19
	5-8. Delay Organization.....	5-20
	5-9. Delay Planning Considerations	5-20
	5-10. Delay Scheme of Maneuver	5-21
	5-11. Maximizing the Use of Terrain in a Delay	5-22
	5-12. Forcing the Enemy to Deploy and Maneuver in a Delay	5-22
	5-13. Avoiding Decisive Engagement in a Delay.....	5-23
	5-14. Parameters of the Delay Order	5-23
	5-15. Alternate and Subsequent Positions in a Delay.....	5-24
	5-16. Fire Support in a Delay.....	5-27
	5-17. Engineer Support in a Delay.....	5-28
	5-18. Air Defense Support in a Delay.....	5-28
	5-19. Nuclear, Biological, and Chemical Support in a Delay.....	5-28
	5-20. Combat Service Support in a Delay	5-28
	5-21. Delay Preparations	5-29
	5-22. Execution of a Delay	5-29
	5-23. Withdrawal	5-31
	5-24. Withdrawal Organization	5-32
	5-25. Withdrawal Planning Considerations	5-33
	5-26. Withdrawal Scheme of Maneuver	5-33
	5-27. Withdrawal Preparation.....	5-34
	5-28. Withdrawal Execution	5-35
	5-29. Concealing the Withdrawal	5-35
	5-30. Disengagement in a Withdrawal	5-35
	5-31. Actions on Contact in a Withdrawal	5-35
	5-32. Terminating the Withdrawal	5-36
5-33. Retirement	5-36	
III. Defensive Planning Considerations.....	5-37	
5-34. Defensive Planning Steps	5-37	

	Page
Section IV.	5-35. Intelligence Preparation of the Battlefield..... 5-38 5-36. Course of Action Development..... 5-39 Sequence of the Defense 5-42 5-37. Occupation and Establishment of Security..... 5-42 5-38. Preparation and Continued Security Operations 5-43 5-39. Security Area Engagement 5-43 5-40. Main Battle Area Engagement 5-44 5-41. Follow-On Missions 5-45 5-42. Rear Area 5-45
Section V.	Techniques of Defense 5-46 5-43. Defense of an Area of Operation..... 5-46 5-44. Defense from a Battle Position..... 5-49 5-45. Reverse Slope Defense 5-52 5-46. Defense of a Strongpoint..... 5-54 5-47. Perimeter Defense 5-59 5-48. Reserve 5-61 5-49. Counterattack 5-62
Section VI.	Countermobility, Mobility, and Survivability Integration 5-62 5-50. Countermobility..... 5-62 5-51. Survivability 5-67

CHAPTER 6. URBAN OPERATIONS

Section I.	Introduction 6-1 6-1. Fundamentals of Urban Operations..... 6-2 6-2. General Considerations of Urban Operations..... 6-4 6-3. The SBCT Infantry Battalion's Role in Urban Operations 6-5 6-4. Tactical Challenges 6-5
Section II.	Mission, Enemy, Terrain and Weather, Troops and Support Available, Time Available, and Civil Considerations (METT-TC) ... 6-7 6-5. Mission 6-7 6-6. Enemy..... 6-7 6-7. Urban Mapping..... 6-10 6-8. Terrain and Weather 6-15 6-9. Troops and Support Available 6-18 6-10. Time 6-18 6-11. Civil Considerations 6-19
Section III.	Controlling Operations 6-20 6-12. Enemy Focus 6-20 6-13. Commander's Critical Information Requirements 6-20 6-14. Task-Organization of Units to Accomplish Specific Tasks..... 6-21 6-15. Rehearsals..... 6-22 6-16. Fire Support 6-23 6-17. Field Artillery 6-23 6-18. Mortars 6-24 6-19. Communications..... 6-26

		Page
	6-20. Weapons Effects.....	6-27
Section	IV. Offensive Operations.....	6-28
	6-21. Offensive Framework	6-28
	6-22. Types of Offensive Operations.....	6-29
	6-23. Cordon and Attack.....	6-33
	6-24. Transition.....	6-33
	6-25. Movement to Contact	6-34
	6-26. Infiltration.....	6-34
	6-27. Attack of a Village	6-36
	6-28. Nodal Attack.....	6-37
Section	V. Defensive Operations	6-39
	6-29. Defensive Framework	6-39
	6-30. Defensive Planning.....	6-40
	6-31. Integrating the Urban Area into the Defense.....	6-41
	6-32. Nodal Defense	6-42
	6-33. Delay.....	6-43

CHAPTER 7. TACTICAL ENABLING OPERATIONS

Section	I. Security Operations	7-1
	7-1. Purpose	7-1
	7-2. Forms of Security Operations.....	7-1
	7-3. Screen	7-2
	7-4. Guard	7-3
	7-5. Cover	7-7
	7-6. Area Security	7-7
	7-7. Local Security.....	7-8
	7-8. High-Value Assets Security	7-9
Section	II. Relief Operations.....	7-10
	7-9. Planning Considerations.....	7-10
	7-10. Conducting the Relief.....	7-11
	7-11. Command and Control	7-11
Section	III. Battle Handover and Passage of Lines	7-12
	7-12. Battle Handover.....	7-12
	7-13. Passage of Lines	7-13
	7-14. Forward Passage of Lines.....	7-17
	7-15. Rearward Passage of Lines.....	7-18
	7-16. Rehearsal	7-18
Section	IV. Linkup Operations	7-19
	7-17. Control.....	7-19
	7-18. Forms of Linkup	7-19
Section	V. River Crossing Operations	7-24
	7-19. General Considerations	7-24
	7-20. Assault of the Crossing Site	7-25
Section	VI. Combined-Arms Breaching Operations	7-27
	7-21. Breaching Tenets	7-27

	Page
7-22. Combined Arms Breach during Deliberate Operations.....	7-31
7-23. Combined Arms Breach during Hasty Operations.....	7-33
CHAPTER 8. STABILITY OPERATIONS	
Section I. Stability Operations.....	8-1
8-1. Purpose	8-1
8-2. Characteristics of Stability Operations.....	8-3
Section II. Types of Stability Operations.....	8-4
8-3. Peace Operations	8-5
8-4. Foreign Internal Defense	8-7
8-5. Humanitarian and Civic Assistance.....	8-8
8-6. Support to Insurgency.....	8-8
8-7. Support to Counterinsurgency.....	8-8
8-8. Security Assistance.....	8-10
8-9. Support to Counterdrug Operations.....	8-10
8-10. Combatting Terrorism	8-10
8-11. Noncombatant Evacuation Operations	8-11
8-12. Arms Control.....	8-12
8-13. Show of Force	8-12
Section III. Planning Considerations.....	8-13
8-14. Decentralized Operations	8-13
8-15. Rules of Engagement.....	8-13
8-16. Rules of Interaction	8-14
8-17. Protection.....	8-15
8-18. Sequence of Stability Operations Actions.....	8-16
8-19. Task Organization	8-18
8-20. Media Considerations.....	8-18
8-21. Operations with Outside Agencies	8-19
Section IV. Specific Considerations by BOS	8-20
8-22. Intelligence	8-20
8-23. Maneuver.....	8-23
8-24. Aviation Support	8-23
8-25. Fire Support.....	8-24
8-26. Mobility, Countermobility, and Survivability	8-24
8-27. Air Defense.....	8-24
8-28. Combat Service Support.....	8-25
8-29. Command and Control	8-26
Section V. Techniques.....	8-27
8-30. Presence Patrols.....	8-28
8-31. Observation Posts	8-28
8-32. Security of Officials	8-29
8-33. Static Security Posts	8-29
8-34. Searches	8-31
8-35. Roadblocks and Other Checkpoints	8-35

	Page
CHAPTER 9. SUPPORT OPERATIONS	
Section I.	9-1
9-1. Types of Support Operations.....	9-1
9-2. The Army's Role in Support Operations.....	9-3
9-3. Forms of Support Operations	9-3
Section II.	9-5
9-4. Considerations for Support Operations	9-5
9-5. Planning Process.....	9-6
9-6. Command and Control	9-7
9-7. Maneuver.....	9-8
9-8. Intelligence	9-8
9-9. Intelligence, Surveillance, and Reconnaissance.....	9-9
9-10. Fire Support.....	9-9
9-11. Mobility and Survivability	9-10
9-12. Air Defense.....	9-10
9-13. Combat Service Support.....	9-10
9-14. Information Operations	9-11
9-15. Other Planning Considerations.....	9-12
Section III.	9-13
9-16. Response.....	9-13
9-17. Recovery.....	9-13
9-18. Restoration.....	9-14
Section IV.	9-14
9-19. Movement into the Area of Operations.....	9-14
9-20. Establishment of the Base of Operations.....	9-15
9-21. Maintenance of Support	9-15
9-22. Terminating Operations.....	9-16
9-23. Transition to Combat.....	9-16
Section V.	9-17
9-24. Training for Support Operations	9-17
9-25. Basic Soldier Skills	9-18
9-26. DSO- or FHA-Specific Training	9-18
9-27. Additional Requirements.....	9-19

CHAPTER 10. COMBAT SUPPORT

Section I.	10-1
10-1. Organization and Equipment.....	10-1
10-2. Planning Considerations.....	10-2
10-3. Fires and Effects Planning.....	10-5
10-4. Fires and Effects and the MDMP	10-7
10-5. Mortars in the Battalion Close Fight	10-8
Section II.	10-9
10-6. Missions.....	10-10
10-7. Planning Considerations.....	10-11
10-8. Air Force Support.....	10-12
10-9. CAS Planning Duties and Responsibilities	10-13

	Page	
	10-10. Suppression of Enemy Air Defense	10-14
	10-11. Weather	10-15
	10-12. Naval Surface Fire and Effects.....	10-15
	10-13. Army Aviation.....	10-16
Section	III. Maneuver Support	10-16
	10-14. The SBCT Maneuver Support Cell	10-16
	10-15. Maneuver Battalion Planning for Maneuver Support	10-26
	10-16. Mobility	10-18
	10-17. Countermobility.....	10-19
	10-18. Survivability	10-19
	10-19. General Engineering.....	10-19
	10-20. Geospatial Engineering	10-19
	10-21. Stryker Brigade Engineer Company.....	10-20
	10-22. Mission	10-22
	10-23. Scatterable Mines	10-23
	10-24. SCATMINE Capabilities	10-23
	10-25. SCATMINE Limitations	10-24
	10-26. Scatterable Mine Delivery Systems.....	10-25
	10-27. Command and Control of SCATMINES	10-38
	10-28. SCATMINE Marking.....	10-30
	10-29. Nuclear, Biological, and Chemical.....	10-34
	10-30. Military Police Support	10-35
	10-31. Military Police Company Organization	10-36
	10-32. Employment and Planning Considerations	10-36
Section	IV. Air Defense Support.....	10-37
	10-33. Mission	10-38
	10-34. Organizations.....	10-38
	10-35. Air Defense Planning Considerations	10-38
	10-36. Air Defense Officer Duties.....	10-40
	10-37. Offensive Considerations	10-41
	10-38. Defensive Considerations.....	10-41
	10-39. Air Defense Types	10-41
	10-40. Air Defense Warnings and Weapons Control Status	10-44
	10-41. Air Defense Assets	10-44
Section	V. Signal.....	10-45
	10-42. Battalion S6 Section	10-45
	10-43. Communications Networks	10-46
	10-44. Communications Equipment	10-46
	10-45. Planning Considerations.....	10-48
Section	VI. Intelligence	10-49
	10-46. Organization and Equipment.....	10-50
	10-47. Surveillance Troop	10-50
	10-48. Air Reconnaissance Platoon.....	10-50
	10-49. Multisensor Platoon.....	10-50

		Page
CHAPTER 11. COMBAT SERVICE SUPPORT		
Section	I. CSS Planning Considerations.....	11-1
	11-1. General Guidelines.....	11-1
	11-2. Battalion Responsibilities.....	11-2
	11-3. Predeployment Activities	11-3
Section	II. Trains	11-3
	11-4. SBCT Infantry Battalion Trains	11-3
	11-5. SBCT Infantry Company Trains	11-3
	11-6. Positioning Trains.....	11-4
	11-7. Trains Security.....	11-4
	11-8. Communications.....	11-5
	11-9. Command and Control Systems	11-5
Section	III. CSS in the SBCT.....	11-8
	11-10. Brigade Support Battalion	11-8
	11-11. S1 Section.....	11-9
	11-12. Brigade Operational Law Team	11-10
	11-13. Unit Ministry Team	11-10
	11-14. Financial Management	11-11
	11-15. Enemy Prisoners of War.....	11-11
Section	IV. Supply and Transportation Operations.....	11-13
	11-16. Classes of Supply	11-13
	11-17. Routine Resupply	11-15
	11-18. Immediate Resupply.....	11-17
	11-19. Prestock Operations.....	11-17
	11-20. Supply and Transportation Considerations	11-18
Section	V. Maintenance Operations.....	11-18
	11-21. SBCT Maintenance Concept.....	11-18
	11-22. Maintenance Requirements	11-19
	11-23. Company Role.....	11-20
	11-24. Battalion Role.....	11-20
	11-25. Destruction	11-21
Section	VI. Health Service Support.....	11-21
	11-26. Preventive Medicine.....	11-21
	11-27. Soldiers Wounded in Action	11-22
	11-28. Battalion Medical Platoon	11-23
	11-29. Medical Communication for Combat Casualty Care	11-24
	11-30. Soldiers Killed in Action	11-24
Section	VII. Reorganization and Weapons Replacement	11-25
	11-31. Replacements and Cross-Leveling of Personnel	11-25
	11-32. Personnel Replacement Procedures.....	11-26
	11-33. Replacement and Salvaging of Equipment.....	11-26
	11-34. Weapons System Replacement Operations	11-26

	Page
Section VIII. CSS from outside the SBCT.....	11-26
11-35. Intermediate Staging Base.....	11-27
11-36. Contracting and Host Nation Support	11-27
11-37. Explosive Ordnance Disposal	11-28
11-38. Field Services	11-28
11-39. General Engineering Support	11-29
APPENDIX A. INTEGRATION OF SPECIAL OPERATIONS, MECHANIZED, AND LIGHT FORCES.....	A-1
APPENDIX B. COMMAND POST OPERATIONS	B-1
APPENDIX C. SNIPER EMPLOYMENT	C-1
APPENDIX D. DIGITAL DIVISION SUPPLEMENT	D-1
APPENDIX E. RISK MANAGEMENT AND FRATRICIDE AVOIDANCE	E-1
APPENDIX F. ENVIRONMENTAL CONCERNs AND COMPLIANCE	F-1
APPENDIX G. ROAD MARCHES AND ASSEMBLY AREAS.....	G-1
APPENDIX H. AVIATION SUPPORT OF GROUND OPERATIONS	H-1
APPENDIX I. AIR ASSAULT OPERATIONS.....	I-1
APPENDIX J. OPERATIONS IN NUCLEAR, BIOLOGICAL, AND CHEMICAL CONDITIONS	J-1
APPENDIX K. MEDIA CONSIDERATIONS.....	K-1
APPENDIX L. CONTINUOUS OPERATIONS.....	L-1
GLOSSARY	Glossary-1
REFERENCES	References-1
INDEX	Index-1